



QUALCOMM Incorporated

5775 Morehouse Drive
San Diego, CA 92121-1714

www.qualcomm.com

Via Email and Mail

February 23, 2018

Mr. Thomas Goode, ATIS General Counsel
ATIS
1200 G. Street, NW
Suite 500
Washington, DC 20005
Email: patents@atis.org

RE: Updated and corrected commitment to previous disclosures made by Qualcomm Incorporated on June 25, 2015, October 3, 2016 and February 21, 2018

Dear Mr. Goode:

Our apologies for using the wrong form for our ATIS disclosures dated June 25, 2015, October 3, 2016 and February 21, 2018. Qualcomm hereby agrees that in addition to the promises and representations made in association with these three earlier disclosure forms, Qualcomm commits to the following statement for each of those earlier disclosures.

The Party submitting this Statement agrees that the patent holder (or party authorized to make assurances on its behalf) will, in any documents transferring ownership of patents subject to the assurance, include provisions sufficient to ensure that the commitments in the assurance are binding on the transferee, and that the transferee will similarly include appropriate provisions in the event of future transfers with the goal of binding each successor-in-interest. This assurance is intended to be binding on successors-in-interest regardless of whether such provisions are included in the relevant transfer documents.

Executed this 23 day of February, 2018, for Qualcomm Incorporated, by:

Michael Atlass, Sr. Director and Legal Counsel
Qualcomm Incorporated.

Please confirm receipt of this letter at your earliest convenience via email to my attention at ip.disclosure@qualcomm.com. If you have any questions or concerns, please call 858-587-1121.

Michael Atlass
Sr. Director, Legal Counsel
California Registered In-House Counsel

MA/go



QUALCOMM Incorporated

5775 Morehouse Drive
San Diego, CA 92121-1714

www.qualcomm.com

Via Email and Mail

June 25, 2015

Mr. Thomas Goode
ATIS General Counsel
ATIS
1200 G. Street, NW
Suite 500
Washington, DC 20005
Email: patents@atis.org

RE: Patent Holder Statement on behalf of QUALCOMM Incorporated for ATIS-0700018

Dear Mr. Goode:

Please find attached Qualcomm Incorporated's Patent Holder Statement for ATIS-0700018.

Please confirm receipt of this Statement at your earliest convenience via email to my attention at ip.disclosure@qualcomm.com. If you have any questions or concerns, please contact me directly at 858-587-1121. Thank you.

Sincerely,

A handwritten signature in black ink, appearing to read 'TRR', with a long horizontal flourish extending to the right.

Thomas R. Rouse
VP, QTL Patent Counsel
Qualcomm Incorporated

TR/gg

**ALLIANCE FOR TELECOMMUNICATIONS INDUSTRY SOLUTIONS (ATIS)
PATENT HOLDER STATEMENT**

Please return via mail, email (scanned with signature), or fax to:

ATIS General Counsel
1200 G Street, N.W., Suite 500
Washington, D.C. 20005 USA
Fax: +1 (202) 393-5453
Email: patents@atis.org

This form may be used (consistent with ATIS' Intellectual Property Rights Policy, which may be found in ATIS Operating Procedures by the holder of a patented invention that may be required for adopting, complying with or otherwise utilizing an ATIS-developed American National Standard or other ATIS deliverable. **The use of this form is voluntary.**

Neither ATIS nor any of its Forums or Committees shall be responsible for and expressly take no position concerning the information reflected in the form, or as respects the validity, enforceability or scope of any patented invention referenced in or identified in the form, or concerning the relevance or applicability of any such patented invention to an ATIS-developed American National Standard or other ATIS deliverable.

The use of this form, or its submission to ATIS, is not and shall not be construed as the grant of a license in connection with any patented inventions identified. Nor shall this form or its use create or imply any obligation by the holder of a patented invention to conduct a patent search. To the extent that a license may be sought from the holder of the patented invention identified in this form, the discussion and negotiation of all license terms shall occur directly between the holder of the patented invention and each prospective licensee outside the deliberations of ATIS and its Forums and Committees.

No discussion or negotiation of license terms is permitted in any Forum or Committee. For further information regarding the licensing of any patented inventions identified in this Statement, please contact the person identified in Section B.

The Party submitting this Statement agrees that the owner (or party authorized to make assurances on its behalf) of patents that are the subject of this Statement will, in documents transferring ownership of such patents, include provisions sufficient to ensure that the commitments reflected in this Statement concerning the patents subject to this Statement are binding on the transferee, and that the transferee will similarly include appropriate provisions in the event of future transfers of such patents with the goal of binding each successor-in-interest. This Statement and the assurances contained herein are intended to be binding on successors-in-interest regardless of whether such provisions are included in relevant transfer documents.

A. PARTY SUBMITTING THE STATEMENT

Legal Name (e.g. XYZ Corp.): QUALCOMM Incorporated

B. CONTACT FOR LICENSING INFORMATION

Contact Name: Thomas R. Rouse	Title: VP, QTL Patent Counsel
Department: QTL	
Address: 5775 Morehouse Drive, San Diego, CA 92121	
Telephone: 858-587-1121	Fax: 858-651-0933
Email: ip.disclosure@qualcomm.com	

C. ATIS-DEVELOPED AMERICAN NATIONAL STANDARD OR OTHER ATIS DELIVERABLE

Please complete a separate Patent Holder Statement for each standard/deliverable.

ATIS Forum/Committee:	WTSC
ATIS Document Number:	ATIS-0700018
Title:	Capacity and Performance of TDMA-SC RTT
Other tracking identifiers*, if appropriate:	

*Note: If the standard/deliverable information is not available, please provide available tracking identifiers (e.g., Committee and Issue number, working text number, contribution number).

D. LICENSING ASSURANCE

In accordance with Section 10.4 of the ATIS Operating Procedures, the Party submitting this Statement hereby declares the following (*check box 1, 2a, 2b or 2c and either box 3a or 3b*):

- ☐ 1. The Party submitting this Statement does not hold or does not currently intend holding any invention the use of which would be required for compliance with the ATIS-developed American National Standard or other ATIS deliverable identified in Section C.
2. The Party submitting this Statement may hold a patent covering an invention the use of which may be required for compliance with the ATIS-developed American National Standard or other ATIS deliverable identified in Section C, and with respect to claim(s) of such patent(s), as may be specified more particularly in Section E, that are required for compliance with that ATIS-developed American National Standard or other ATIS deliverable (*check only one box*):
- ☐ a. An irrevocable license will be made available under reasonable terms and conditions that are demonstrably free of any unfair discrimination, without compensation, to applicants desiring to utilize the license for the purpose of implementing the American National Standard or other ATIS Deliverable;
- Mark here ___ if the Party submitting this Statement reserves the right to obtain compensation from applicants who are only willing to license, for compensation, their claim(s) of patents covering an invention, the use of which is required for compliance with the ATIS-developed American National Standard or other ATIS deliverable identified in Section C, on reasonable terms and conditions that are demonstrably free of any unfair discrimination.
- or
- ☒ b. An irrevocable license will be made available under reasonable terms and conditions that are demonstrably free of any unfair discrimination, with compensation, to applicants desiring to utilize the license for the purpose of implementing the American National Standard or other ATIS Deliverable;
- Mark here X if such licensing assurance is subject to applicant reciprocity.
- or
- ☐ c. Is unwilling or unable to grant licenses according to the provisions of either 2a or 2b.

3. If the Party submitting this Statement has checked box 2a or 2b, please indicate whether (*check a or b below*):


- ☐ a. The license assurance is provided for any claim(s) of any patent(s) owned or controlled by the Party submitting this Statement, and which such Party has a right to license, covering an invention the use of which is required for compliance with the American National Standard or other ATIS Deliverable identified in Section C, including the claim(s) of the patent(s) identified in Section E, if any; or
- ☒ b. The license assurance is provided only for the claim(s) of the patent(s) identified in Section E covering an invention the use of which is required for compliance with the American National Standard or other ATIS Deliverable identified in Section C.

E. IDENTIFICATION OF PATENTS (Completion of the following information is optional if D3a is selected. If D3b is selected, please provide the information indicated below for each patent or application. Attach additional sheets as necessary.)

Patent No. or Application No. (if pending)	Country	Status (Granted/ Pending)	Title	Relevance*
see attached list				

* Note: A Party may, at its discretion, provide further information or explanation in respect of the invention's relevance to the American National Standard or other ATIS Deliverable identified in Section C.

F. SIGNATURE

Name of Authorized Person (type or print legibly):	Thomas R. Rouse
Signature of Authorized Person:	
Title:	VP, QTL Patent Counsel
Date:	June 25, 2015

For more information regarding ATIS' patent policy, please see Section 10.4 of the ATIS Operating Procedures (Version 4.0), which is available online at www.atis.org/atisop.pdf.

Please return via mail, email (scanned with signature), or fax to:

ATIS General Counsel
1200 G Street, N.W., Suite 500
Washington, D.C. 20005 USA
Fax: +1 (202) 393-5453
Email: patents@atis.org

Patent No. or Application No. (if pending)	Country	Status	Title	Specification
6,493,331	United States	Granted	Method and apparatus for controlling transmissions of a communications systems	ATIS-0700018
2001249379	Australia	Granted	Method and apparatus for controlling transmissions of a communications system	ATIS-0700018
PI0109639-7	Brazil	Pending	Method and apparatus for controlling transmissions of a communications system	ATIS-0700018
2698363	Canada	Granted	Method and apparatus for controlling transmissions of a communications system	ATIS-0700018
2404055	Canada	Granted	A method of controlling transmission in a communications system using power back-off factors	ATIS-0700018
EP1269654	Germany	Granted	Method and apparatus for controlling transmissions of a communications system	ATIS-0700018
EP2237441	Germany	Granted	Method and apparatus for controlling transmissions of a communications systems	ATIS-0700018
EP1901443	Germany	Granted	Method and apparatus for controlling transmissions of a communications system	ATIS-0700018
07024476.9	European Patent Convention	Pending	Method and apparatus for controlling transmissions of a communications system	ATIS-0700018
EP1269654	European Patent Convention	Granted	Method and apparatus for controlling transmissions of a communications system	ATIS-0700018
EP2237441	European Patent Convention	Granted	Method and apparatus for controlling transmissions of a communications systems	ATIS-0700018
EP1901443	European Patent Convention	Granted	Method and apparatus for controlling transmissions of a communications system	ATIS-0700018
10184256.5	European Patent Convention	Pending	Method and apparatus for controlling transmissions of a communications systems	ATIS-0700018
10184213.6	European Patent Convention	Pending	Method and apparatus for controlling transmissions of a communications systems	ATIS-0700018
EP1269654	Great Britain	Granted	Method and apparatus for controlling transmissions of a communications system	ATIS-0700018
EP2237441	Great Britain	Granted	Method and apparatus for controlling transmissions of a communications systems	ATIS-0700018

Patent No. or Application No. (if pending)	Country	Status	Title	Specification
EP1901443	Great Britain	Granted	Method and apparatus for controlling transmissions of a communications system	ATIS-0700018
11108408.6	Hong Kong	Pending	Method and apparatus for controlling transmissions of a communications systems	ATIS-0700018
11103458.6	Hong Kong	Pending	Method and apparatus for controlling transmissions of a communications systems	ATIS-0700018
HK1119313	Hong Kong	Granted	Method and apparatus for controlling transmissions of a communications system	ATIS-0700018
08110421.0	Hong Kong	Pending	Method and apparatus for controlling transmissions of a communications systems	ATIS-0700018
11108405.9	Hong Kong	Pending	Method and apparatus for controlling transmissions of a communications system	ATIS-0700018
ID0017078	Indonesia	Granted	Method and apparatus for controlling transmissions of a communications system	ATIS-0700018
197980	Israel	Granted	Method and apparatus for controlling transmissions of a communications systems	ATIS-0700018
151705	Israel	Granted	Method and apparatus for controlling transmissions of a communications system	ATIS-0700018
207619	India	Granted	Method and apparatus for controlling transmissions of a communications system	ATIS-0700018
253586	India	Granted	A method for providing data transmissions to a plurality of receiver units in a communications system	ATIS-0700018
5265727	Japan	Granted	Method and apparatus for controlling transmissions of a communications system	ATIS-0700018
2011-083932	Japan	Pending	Method and apparatus for controlling transmissions of a communications system	ATIS-0700018
4927288	Japan	Granted	Method and apparatus for controlling transmissions of a communications system	ATIS-0700018
10-0896156	Republic of Korea	Granted	Method and apparatus for controlling transmissions of a communications system	ATIS-0700018
10-0916166	Republic of Korea	Granted	Method and apparatus for controlling transmissions of a communications system	ATIS-0700018

Patent No. or Application No. (if pending)	Country	Status	Title	Specification
229207	Mexico	Granted	Method and apparatus for controlling transmissions of a communications system	ATIS-0700018
332501	Norway	Granted	Method and apparatus for controlling transmissions of a communications system	ATIS-0700018
20111585	Norway	Pending	Method and apparatus for controlling transmissions of a communications systems	ATIS-0700018
20111586	Norway	Pending	Method and apparatus for controlling transmissions of a communications systems	ATIS-0700018
2264036	Russian Federation	Granted	Method and device for controlling transmissions in a communication system	ATIS-0700018
91584	Singapore	Granted	Method and apparatus for controlling transmissions of a communications system	ATIS-0700018
NI-168386	Taiwan	Granted	Method and apparatus for controlling transmissions of a communications system	ATIS-0700018
73979	Ukraine	Granted	Method For Controlling Transmissions (Variants), Method For Operating A Plurality Of Transmitter Units (Variants), Method For Providing Data Transmissions To A Plurality Of Receiver Units (Variants) In A Communications System	ATIS-0700018
6,744,743	United States	Granted	Method and apparatus for controlling transmissions of a communications system	ATIS-0700018